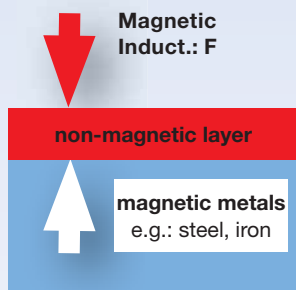

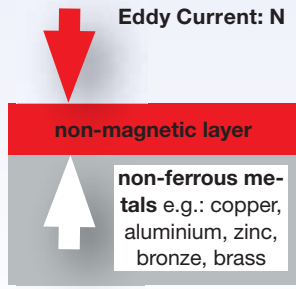

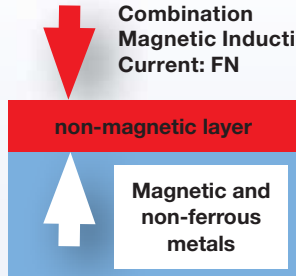





Coating Thickness Types & Applications

<p>Magnetic Induct.: F</p> 	<p>Examples</p> <p>Aluminium, Chrome, Copper, Rubber, Paint Steel, Iron, Alloy, Magnetic Steel, Magnetic stainless steel</p> 	<p>Application:</p> <p>Measurement of non-magnetic coatings on steel and other metals</p>
<p>Eddy Current: N</p> 	<p>Varnish, paint, enamel, chrome, zircon and electrical isolation coatings like lacquer, paint and plastic anodic oxide layer</p> <p>Copper, aluminium, zinc, bronze, brass, tin</p> 	<p>Application:</p> <p>Measurement of insulation coatings on non-ferrous metals</p>
<p>Combination Magnetic Induction & Eddy Current: FN</p> 	<p>Any layers as at the F and N models Any metals as at the F and N models</p> 	<p>Application:</p> <p>Universal for both types: F and N Some instruments have to be switched manually from F to N, and some do this automatically</p>

Thickness Type & Applications

<p>Ultrasonic: US</p> 	<p>Any hard materials, including steel, cast iron, aluminium, red copper, brass, zinc, quartz glass, polyethylene, PVC, grey cast iron, homogeneous</p> 	<p>plastics, nodular cast iron and other materials.</p> <p>Application: Used for measuring thickness and corrosion of pressure vessels, chemical equipment, boiler,</p>	<p>oil storage tanks, etc.. Is predominantly used in the petroleum, ship-building, power station and machine manufacturing industry.</p>
--	--	--	--

Warranty

24
Months

Included



Included



Only TA
1000-1 FN

Included



Included



Technical Highlights:

- **Accuracy: 4 %** of the measured value
- **One-hand use** for easy utilisation

Base plate and calibration foils included

Selectable **measuring units:** metric, imperial



Size: L 148 x B 105 x H 42 mm;
Weight: 150 g

Auto-Power-Off function

Back light function

Delivered in a **soft carrying pocket**



Power supply 9 V Battery

Min measuring area: 9 mm

Min base thickness: 0.6 mm

Only TA 1000-1 FN:

Programmable **high/low set-points** for go/no go testing. Optical and sound signal output

Internal **memory** up to **255 values**

Mini statistics function: displays the measured result, the average value and the max and the min value



Model	Test objects	Min. radius work-piece	Max	Resolution	Price, excl. VAT	ISO Calibration Certificate
TA 1000-1 F	Coatings on steel and other magnetic metals	Convex: 3 mm Concave: 35 mm	1 000 µm	1 µm	€ 110,-	€ 120,-
TA 1000-1 FN	Combination Instrument for F and N	Convex: 5 mm Concave: 70 mm	1 000 µm	1 µm	€ 170,-	€ 170,-

Warranty

24
Months

Included



Battery

Included



Calibration tool

Included



Offset-Accur

Technical Highlights:

- External Sensor
- Accuracy:
 - **Standard:** 3 % of the measured value or $\pm 2,5 \mu\text{m}$
 - **Offset-Accur:** 1 % of the measured value or $\pm 1,0 \mu\text{m}$

Size:
L 161 x B 69 x H 32 mm;
Weight: 250 g



Delivered in a hard carrying case

Offset-Accur: This function allows you to adjust the instrument precisely on the locally measured range by a two-point calibration (base plate and calibration foils). **This results in a superior accuracy of approx. 1 % of the measured value.**

Auto-Power-Off function

External sensor for better access to the test object (Cable length: 1 m)

Power supply 4 x 1.5V AA Battery

Base plate and calibration foils included





TB 2000-0.1 F:

- Specifically designed for the automobile industry
- Accuracy is 5 % the measured value

Resolution of TB F and N models: 0,1 μm < 100 μm ; 1 μm > 100 μm

Selectable **measuring units:** metric, imperial

Min measuring area: 6 mm
Minimum base thickness: 0.3 mm

Model	Test Objects	Min. radius workpiece	Max	Resolu- tion	Price, excl. VAT	ISO Calibration Certificate
 TB 1000-0.1 F	Coatings on steel and iron	Convex: 1,5 mm Concave: 25 mm	1 000 μm	0,1 μm	€ 285,-	€ 120,-
 TB 1000-0.1 N	Insulation coatings on non-ferrous metals	Convex: 3 mm Concave: 50 mm	1 000 μm	0,1 μm	€ 325,-	€ 120,-
 TB 1000-0.1 FN	Combination Instrument combining F and N	As F or N	1 000 μm	0,1 μm	€ 360,-	€ 170,-
 TB 2000-0.1 F	Like F: specially for the car industry	Convex: 1,5 mm Concave: 25 mm	2 000 μm	0,1 μm	€ 260,-	€ 120,-

Warranty

24
Months

Included



Battery

Included



Calibration tool

Included



Offset-Accur

Included



RS 232C

optional



PC Software

Technical Highlights:

- **Accuracy:**
- **Standard:** 3 % of the measured value or $\pm 2,5 \mu\text{m}$
- **Offset-Accur:** 1 % of the measured value or $\pm 1,0 \mu\text{m}$
- **Compact and robust design for everyday use**



Delivered in a hard carrying case



Offset-Accur: This function allows you to adjust the instrument precisely on the locally measured range by a two-point calibration (base plate and calibration foils). **This results in a superior accuracy of approx. 1 % of the measured value.**

Resolution of TC F and N models: 0,1 μm < 100 μm ; 1 μm > 100 μm

Size: L 131 x B 65 x H 28 mm;
Weight: 81 g

Auto-Power-Off function

Power supply
4 x 1.5V AAA battery

Base plate and calibration foils included

Data Output to PC

- RS 232C Output included
- Option: Software and cable to PC **ATC-01: 80,- €**

Selectable **measuring units:** metric, imperial

TC 1250-0.1 FN-car

specially designed for the automobile industry:

- Automatic recognition of measuring mode (F or N): „point and shoot“
- Only one button – easy to operate
- Optional ranges: 200 μm – 15 000 μm

Minimum measuring area: 6 mm

Minimum base thickness: 0.3 mm

Model	Test Objects	Min. radius workpiece	Max	Resolution	Price, excl. VAT	ISO Calibration Certificate
TC 1250-0.1 F	Coatings on steel and iron	Convex: 1,5 mm Concave: 25 mm	1 250 μm	0,1 μm	€ 325,-	€ 120,-
TC 1250-0.1 N	Insulation coatings on non-ferrous metals	Convex: 3 mm Concave: 50 mm	1 250 μm	0,1 μm	€ 360,-	€ 120,-
TC 1250-0.1 FN	Combination Instrument combining F and N	As F or N	1 250 μm	0,1 μm	€ 415,-	€ 170,-
TC 1250-0.1 FN-car	Combination Instrument combining F and N	As F or N	1 250 μm	0,1 μm	€ 425,-	€ 170,-

Warranty

24
Months

Included



Battery

Included



Calibration
tool

Included



Offset-
Accur

Included



RS 232C

optional



PC
Software

Technical Highlights:

- External Sensor
- Accuracy:
 - **Standard:** 3 % of the measured value or $\pm 2,5 \mu\text{m}$
 - **Offset-Accur:** 1 % of the measured value or $\pm 1,0 \mu\text{m}$



Delivered in a
hard carrying
case

Offset-Accur: This function allows you to adjust the instrument precisely on the locally measured range by a two-point calibration (base plate and calibration foils). **This results in a superior accuracy of approx. 1 % of the measured value.**

External sensor for better access to the test object (Cable length: 1 m)

Size: L 124 x B 62 x H 30 mm;
Weight: 200 g

Auto-Power-Off function

Power supply
4 x 1.5V AAA battery

Base plate and calibration foils included

Resolution of TD F and N models: 0,1 μm < 100 μm ;
1 μm > 100 μm

Data Output to PC

- RS 232C Output included
- Option: PC Software and cable to PC
ATD-01: 80,- € net

Selectable **measuring units:**
metric, imperial

Min measuring area: 5 mm
Min base thickness:
0.3 mm

Model	Test Objects	Min. radius workpiece	Max	Resolu- tion	Price, excl. VAT	ISO Calibration Certificate
TD 1250-0.1 F	Coatings on steel and iron	Convex: 1.5 mm Concave: 25 mm	1 250 μm	0,1 μm	€ 325,-	€ 120,-
TD 1250-0.1 N	Insulation coatings on non-ferrous metals	Convex: 3 mm Concave: 50 mm	1 250 μm	0,1 μm	€ 360,-	€ 120,-
TD 1250-0.1 FN	Combination Instrument combining F and N	As F or N	1 250 μm	0,1 μm	€ 415,-	€ 170,-

Warranty

24
Months

Included



Battery

Included



Calibration tool

Included



Offset-Accur

Included



RS 232C

optional



PC Software

Technical Highlights:

- Remote Sensor for easy access to the test point
- **Accuracy:**
 - **Standard:** 3 % of the measured value or $\pm 2,5 \mu\text{m}$
 - **Offset-Accur:** 1 % of the measured value or $\pm 1,0 \mu\text{m}$

Offset-Accur: This function allows you to adjust the instrument precisely on the locally measured range by a two-point calibration (base plate and calibration foils). **This results in a superior accuracy of approx. 1 % of the measured value.**

Size: L 131 x B 65 x H 28 mm;
Weight: 81 g

Power supply
4 x 1.5V AAA battery

Base plate and calibration foils included

Resolution of TC F and N models: 0,1 μm < 100 μm ;
1 μm > 100 μm



Delivered in a hard carrying case

Data Output to PC

- RS 232C Output included
- Option: Software and cable to PC: **ATC-01: 80,- € net**

Min measuring area: 6 mm

Min base thickness: 0.3 mm

External sensor for better access to the test object (Cable length: 1 m)

External sensors with other measuring ranges are available on request

Auto-Power-Off function

Selectable **measuring units:** metric, imperial



Model	Test Objects	Min. radius workpiece	Max	Resolu- tion	Price, excl. VAT	ISO Calibration Certificate
TE 1250-0.1 F	Coatings on steel and iron	Convex: 1,5 mm Concave: 25 mm	1 250 μm	0,1 μm	€ 325,-	€ 120,-



TE 1250-0.1 N	Insulation coatings on non-ferrous metals	Convex: 3 mm Concave: 50 mm	1 250 μm	0,1 μm	€ 360,-	€ 120,-
----------------------	---	--------------------------------	---------------------	-------------------	----------------	---------



TE 1250-0.1 FN	Combination Instrument combining F and N	As for F or N	1 250 μm	0,1 μm	€ 415,-	€ 170,-
-----------------------	--	---------------	---------------------	-------------------	----------------	---------

Warranty

24
Months

Included



Included



Included



Included



Included



Included



Technical Highlights:

- 2 000 µm measuring range
- **Accuracy:**
 - **Standard:** 3 % of the measured value or ± 1,0 µm
 - **Offset-Accur:** 1 % of the measured value or ± 1,0 µm
- **Internal memory** function

Size: L 183 x B 67 x
H 30 mm;
Weight: 147 g



Compare mode for quick check against a default value, which is set by the customer

Delivered in a **hard carrying case**



Internal memory of 15 measured values

Power supply 9 V Battery

Auto-Power-Off Function

Base plate, calibration foils and a **working protection** included

Scan mode allows continuous measurement or single point measuring mode

Mini statistics function: displays the measured result, the average value and the max and the min value, standard deviation, etc.

Resolution of TS: 0.1 µm < 100 µm; 1 µm > 100 µm

Selectable **measuring units:** metric, imperial

Min measuring area: 12 mm

Minimum base thickness: 0.5 mm



Model	Test Objects	Min. radius workpiece	Max	Resolution	Price, excl. VAT	ISO Calibration Certificate
TS 2000-0.1 F	Coatings on steel and iron	Convex: 2.0 mm Concave: 11.0 mm	2 000 µm	0.1/1 µm	€ 790,-	€ 120,-